

SILICONE BINDERS FOR INVESTMENT CASTING

ABSTRACT

[0058] A green product for use in fabricating a ceramic article comprises a ceramic powder immobilized within a silicone matrix, wherein the silicone matrix comprises one or more cross linked or polymerized silicone monomers and/or oligomers, wherein the one or more cross linked or polymerized silicone monomers and/or oligomers have a alkenyl reactive functional group and a hydride reactive functional group. Processes for forming a green product and a ceramic core with the silicone monomers and/or oligomers are also disclosed.